39° 40′ 39° 35′ TERTIARY TRIASSIC Tr RHYOLITE FLOWS AND INTRUSIVES TUFF OF RAILROAD RIDGE RHYOLITIC SEDIMENTARY BRECCIA Tsb Tda INTRUSIVE COMPLEX YOUNGER ANDESITE Ta DELICATE FIAMME TUFFS Contact--Dashed where approximately located or inferred Tdc TUFF OF DEEP CANYON MEGABRECCIA \_\_\_\_\_ Fault--Dashed where inferred, dotted where OLDER PORPHYRITIC ANDESITE Tao concealed; ball and bar on downthrown side G774 4770, G771 Tqm QUARTZ MONZONITE Strike and dip of compaction foliation G772 Inclined A detailed description of map units may be found in Hardyman and others (in press) Vertical Horizontal Sample site; X indicates XRF analysis (see table 1; D277 prefix deleted for brevity) This report is preliminary and has not been reviewed Sample site; G indicates geochemical analysis (see table 2; JBB prefix deleted for brevity) for conformity with U.S. Geological Survey editorial Geology mapped in 1986 by R.F. Hardyman, W.E. Brooks, and M.J. Blaskowski; assisted by Kevin Anthony and standards and stratigraphic nomenclature. Base from U.S. Geological Survey, Clan Alpine Ranch, 1966, 1:62,500; Camp Creek Canyon, 1969, Dixie Valley, Dixie Valley SE, 1972, 1:24,000.

GEOLOGIC MAP AND ROCK SAMPLE SITE LOCATIONS, CLAN ALPINE WILDERNESS STUDY AREA, CHURCHILL COUNTY, NEVADA